



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. Department of Commerce  
1100 L Street, NW Washington, DC 20591-0001

Under the Paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

<p><b>Substitute for form 1449A/PTO</b></p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(Use as many sheets as necessary)</i></p>				<b>Complete if Known</b>	
				<b>Application No.</b>	10/661,453
				<b>Filing Date</b>	September 12, 2003
				<b>First Named Inventor</b>	C. Phillip Brown
				<b>Art Unit</b>	Unknown
				<b>Examiner Name</b>	Unknown
<b>Sheet</b>	1	<b>Of</b>	2	<b>Attorney Docket No.</b>	18852-705

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional) 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST .3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST .16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

2378066\_1.DOC

Attorney Docket No. 18852-705



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. Department of Commerce  
Under the Paperwork Reduction Act of 1995, no persons required to respond to a collection of information unless it contains a valid OMB control number.

				<b>Complete if Known</b>	
				<b>Application No.</b>	10/661,453
				<b>Filing Date</b>	September 12, 2003
				<b>First Named Inventor</b>	C. Phillip Brown
				<b>Art Unit</b>	Unknown
				<b>Examiner Name</b>	Unknown
<b>Sheet</b>	2	<b>Of</b>	2	<b>Attorney Docket No.</b>	18852-705

<b>OTHER PRIOR ART - NON PATENT RELATED DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published			
BTP		Thiemann, Joachim, "Acoustic Noise Suppression for Speech Signals using Auditory Masking Effects", Thesis submitted to Department of Electrical & Computer Engineering, McGill University, Montreal, Canada, July 2001, 74 pages.			
		Parikh, Gaurang K., "The Effect of Noise on the Spectrum of Speech", Masters Degree Thesis submitted to The University of Texas at Dallas, August 2002, 79 pages.			
		Martin, Rainer, "Spectral Subtraction Based on Minimum Statistics", <i>Signal Processing VII: Theories and Applications</i> , M. Holt et al. (Eds), European Assoc. for Signal Processing, (1994), pp. 1182-1185.			
		Cohen, I. et al., "Noise Estimation by Minima Controlled Recursive Averaging for Robust Speech Enhancement", <i>IEEE Signal Processing Letters</i> , Vol. 9, No. 1, January 2002, pp. 12-15.			
BTP		Kamath, Sunil D. et al., "A Multi-Band Spectral Subtraction Method for Enhancing Speech Corrupted by Colored Noise", Department of Electrical Engineering, University of Texas at Dallas, 4 pages.			
<b>EXAMINER SIGNATURE</b>	<u>J. J. Z.</u>		<b>DATE CONSIDERED</b>	11/10/07	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.